

EXHIBIT 5

FIG. 2 CONT.

CACAAATG CCAATGCTAT TGTAGGAGT CTTCAAGAT GCTACCTCC TCTCTCTG ANTCTCTT CTTCTGAGG ACCTACAG CATECAAT TGAACCTTA CTAATCCAG GGAATACCC 5644
 CAAAGCTT GGGTACAT CAGCTTTAA GAAGTTAA CACCTATGA AGGAGACA GGGAGTGG GATCTGCT GGGCTACT TGGCTATGG GGGTACTG TGTGCTAG ACTGACTGAC 5774
 TGTCTGAG GGGTTGTA TTTGATCT AGGATACC CCAACACC CCGGATTA TGGGATTA TGAACCTTA TGAACCTTA TGAACCTTA TGAACCTTA TGAACCTTA TGAACCTTA 5904
 TCTGCAAT CAGTGGACT GTTGTGCT GACTACTG ACTGCTGG TACTTGGAG GGTTCATAG CTAATATA TGGAGTGG TGAATATAT TGGTCTCTT AACCTTGC AACCTTGC 6034
 137
 TGGCCACAG GCTGGAGAG CACCAAGCA GGGGGCAGT CTTGGAGGA GTGCCGGCA GGGCCCTEAC CACCTCTCC TACCCTAG TG AAG TTC CCT TGT GGG AGG CCC TGG AAG CCG 6154
 Met Glu Lys Lys Arg Ser His Leu Val Lys Arg Asp Thr Glu Asp Glu Val Asp Pro Arg Leu Ile Asp Gly Lys Met Thr Arg Arg Gly Asp Ser Pro 6259
 ATG CAG AAG AAG CCG AGT CAC CTG AAA CCA GAC ACA GAA CAA GAC CAA GAA GTA GAT CCG CCG CTC ATT GAT GGG AAG ATG ACC AGG CCG GGA GAC AGC CCC
 184
 Trp Glu
 TGG CAG TGGAGGCG AGGCAGCACC GGTCTGTAC GTGCTGGCT CCGATCACT GATTCATCC TGGCAGCTAT GGTCAAGG GGGAGAGG CTTCCATTC GTTGGGGG 6385
 TGAATAGT GGGGATCT TCAGGGAAG ATGAGCAA CTTAGGGA CAGGAGCAG CAGGTGGT GAGGAGGG CATTGGGGT CTTGAGGGT CTTGAGGGT CTTGAGGGT CTTGAGGGT 6515
 AGAGTGA AGACATCT TCTGTGGG GATTTAGG AGAGCTTG ATGAGCTG AGGCTAGA GGGAGGCG GGTCTGAG CTTCTGAG CTTCTGAG CTTCTGAG CTTCTGAG 6645
 CTTCTCTG CAGGATGG GGGAGATGG AACCAAG TGGAGTAT TGGCTGGG ATCAGACT CTTGAGGGT AGGAGGCA AGGAGGCA AGGAGGCA AGGAGGCA AGGAGGCA 6775
 TGAATAG GGTAGGA GGGAGGCG AACATCAG CAGCTGGG GGCANAGT CTTCTGGA CACACAGG CTTGAGGG CTTGAGGG CTTGAGGG CTTGAGGG CTTGAGGG 6905
 CTTGAGGTA CTTCAACAT ATGACAGT GAGGAGC AGTGGGAAG GAGGAGC ACCCTGGAC AGCTGAC TGTAAATG GCAAAATG AAACCCAG AAAGGCTAA GCTATGCC 7035
 185
 ATATGACC GGAACCCAG AAGTGCATA TGAACCCAG GTGCCCTGA CTTGGAGGTG TCAGGAGCA GGGCTGTAT GTCTATCC CACCCCTTC CAG Val Val Leu Leu Asp Ser Lys 7159
 Lys Lys Leu Ala Cys Gly Ala Val Leu Ile His Pro Ser Trp Val Leu Thr Ala Ala His Cys Met Asp Glu Ser Lys Lys Leu Leu Val Arg Leu 7266
 AAG AAG CTG GCC TGC GGG GCA GTG CTC ATC CAC CCC TCC TGG GTG CTC ACA GCG GCC CAC TGC ATG CAT CAG TCC AAG AAG CTC CTT GTC AGG CTT G CTATGGCTG 7396
 CAGCCAGCA GAAGGGGCT GCCAGAGCT TGGTAGGG GACAGGCG GCTGTTCAG TTTGGGGAG CCGCTCCC AGGTGCTTA GCAAGAGCT TCTTACCT CACAGAGGT GTTGGGGG
 AAGAGCTA TGTGCCCA CCGTCCAC CAGTATTT GAGTAGGG GTTCTGT GGTCTTCT GGTCTTCT GGTCTTCT GGTCTTCT GGTCTTCT GGTCTTCT GGTCTTCT GGTCTTCT 7526
 CTTTACCT TCACTCCA CTTATGGA GAGGCTGT TGGCTCTG CACCTTGG TCAAGAGC AGCAGGCT GGTCTTCT GGTCTTCT GGTCTTCT GGTCTTCT GGTCTTCT GGTCTTCT 7656
 GGGAGCTA GATCTGCA AGGCAAG GTGCTTCT AGGAGTGG GGTCTTCT GGTCTTCT GGTCTTCT GGTCTTCT GGTCTTCT GGTCTTCT GGTCTTCT GGTCTTCT 7786
 AAGATATT GAGAGGCG AATTCAT CTTATGAG ATAATCTAG CAGTGGCT CAGTGGCT CAGTGGCT CAGTGGCT CAGTGGCT CAGTGGCT CAGTGGCT CAGTGGCT 7916
 TCTTCAAG GGGAGGCG CTTGCTCT CTTGAGTGG GGTCTTCT CTTGAGTGG GGTCTTCT CAGTGGCT CAGTGGCT CAGTGGCT CAGTGGCT CAGTGGCT CAGTGGCT 8046
 TGTCTGGG TTTCCAGGGT CTTGGGCT CTTGCTCT CTTGCTCT CTTGCTCT CTTGCTCT CTTGCTCT CTTGCTCT CTTGCTCT CTTGCTCT CTTGCTCT CTTGCTCT 8176
 GAGGAGAG TCACTGTA TGGGTCCA GGGAGTGG AGTGGCTCC GGGAGTGG CTTGAGTGG GGTCTTCT GGTCTTCT GGTCTTCT GGTCTTCT GGTCTTCT GGTCTTCT 8306
 224
 GAGTGGGT GGGCTCAG AAGTGCAT GGGAGAGG TCCCGGAG CCACTCTG TGTGCTCT GGTCTCT GGTCTCT GGTCTCT GGTCTCT GGTCTCT GGTCTCT GGTCTCT 8426
 Leu Asp Ile Lys Glu Val Phe Val His Pro Asn Tyr Ser Lys Ser Thr Thr Asp Asn Ile Ala Leu Leu His Leu Ala Glu Pro Ala Thr Leu Ser Glu Thr 8531
 CTG CAC ATC AAG CAG GTC TTC CAC CAC AAC TAC AGC AAG ACC CAC AAT CAC ATC GCA CTG CTC CCG CAG CCC ACC CTC TCG CAG ACC

FIG. 2 CONT.

CCC CCA ACT TCC AGT ATC TCC ACC ACC CCC CCC TGT CCC AGT CCC TCC AGA ATG TCC CAG CTC ACA ACC CTC CTC TTC GTG GCC ACC 39

-47 -40 -30
Met Trp Gln Leu Thr Ser Leu Leu Phe Val Ala Thr
-1 +1
Trp Gly Ile Ser Gly Thr Pro Ala Pro Leu Asp Ser Val Phe Ser Ser Glu Arg Ala His Gln Val Leu Arg Ile Arg Lys Arg Ala
TCC CGA ATT TCC CCC ACA CCA CCT CCT CIT CAC TCA CTG TTC TCC ACC ACC CAG CGT GCC CAC CAG GTG CTG CGG ATC CGC AAA CGT GCC 129

-20 -10 20 30
Asn Ser Phe Leu Glu Glu Leu Arg His Ser Ser Ser Leu Glu Arg Glu Cys Ile Glu Glu Ile Cys Asp Phe Glu Glu Ala Lys Glu Ile Phe
AAC TCC TTC CTG CAG CAG CTC CGT CAC ACC ACC CTG CAG CGG CAG TCC ATA CAG CAG ATC TGT CAC TTC CAC CAC CCC AAC CAA ATT TTC 219

10 40 50 60
Gln Asn Val Asp Asp Thr Leu Ala Phe Trp Ser Lys His Val Asp Gly Asp Gln Cys Leu Val Leu Pro Leu Glu His Pro Cys Ala Ser
CAA AAT CTC CAT CAC ACA CTG CCC TTC TCC GCC TTC CAC CCG CAC CCG CAG TGC TTC CTC TTC CCC TTC CAC CAC CCC TCC GCC ACC 309

70 80 90
Leu Cys Cys Gly His Gly Thr Cys Ile Asp Gly Ile Gly Ser Phe Ser Cys Asp Cys Arg Ser Gly Trp Glu Gly Arg Phe Cys Gln Arg
CTC TCC TCC GCC CAC GCC ACC TCC ATC CAC TCC ATC CAC CCC ATC CCC ACC TTC ACC TCC CAC TCC CCC ACC GCC TGG CAG CCC TTC TCC CAC CCC 399

100 110 120
Glu Val Ser Phe Leu Asn Cys Ser Leu Asp Asn Gly Gly Cys Thr His Tyr Cys Leu Glu Val Gly Trp Arg Arg Cys Ser Cys Ala
CAG CTG ACC TTC CTC AAT TCC TCT CTC CAC AAC CCC CAC AAC CCC TCC ACC CAT TAC TCC CTA CAG CAG CTC GCC TGG CCC TGT AGC TGT GCC 489

130 140 150
Pro Gly Tyr Lys Leu Gly Asp Asp Leu Leu Glu Cln Cys His Pro Ala Val Lys Phe Pro Cys Gly Arg Pro Trp Lys Arg Met Glu Lys Lys
CGT GCC TAC AAG CTG CGG CAC CAC CTC CTC CAG TGT CAC TGT CAC CCC CCA CTC AAG TTC CTT TGT CGC ACC CCC TCG AAG CGG ATC CAG AAG AAG 579

160 170
Arg Ser His Leu Lys Arg Asp Thr Glu Asp Gln Glu Asp Gln Val Asp Pro Arg Leu Ile Asp Gly Lys Met Thr Arg Arg Gly Asp Ser
CCC AGT CAC CTC AAA CCA CAC ACA CAA CAC CAA CAA CAA GTA CAT CCC CGC CTC ATT CAT CGC AAG ATC ACC AGC CGC CCA CAC ACC 669

190	200	210	
Pro Trp Gln Val Val Leu Leu Asp Ser Lys Lys Leu Ala Cys Gly Ala Val Leu Ile His Pro Ser Trp Val Leu Thr Ala Ala His			759
CCC TGG CAG CTC CTC CAC TCA AAG AAG CAC TCC GCG GCA CTC ATC CAC CCC TCC TGG CTC CAC ACA CCG CCC CAC			
220	230	240	
Cys Met Asp Glu Ser Lys Lys Leu Leu Val Arg Leu Glu Tyr Asp Leu Arg Trp Glu Lys Trp Glu Leu Asp Leu Asp Ile Lys			849
TCC ATG CAC CAG TCC AAG AAG CTC CTT GTC ACG CTT GCA CAG TAT CAC CTC GCG CCG TGG CAG AAG TGG CAG CTC CAC CTC AAT CAC			
250	260	270	
Glu Val Phe Val His Pro Asn Tyr Ser Lys Ser Thr Thr Asp Asn Asp Ile Ala Leu Leu His Leu Ala Gln Pro Ala Thr Leu Ser Gln			939
CAG CTC TTC CTC CAC CCC AAG TAC AAG CAC AAG ACC ACC CAC AAT CAC ATC GCA CTC CTC CAC CTC CCG CAG CCC ACC CTC TCC CAC			
280	290	300	
Thr Ile Val Pro Ile Cys Leu Pro Asp Ser Gly Leu Ala Glu Arg Glu Leu Asn Gln Ala Gly Gln Glu Thr Leu Val Thr Gly Trp Gly			1029
ACC ATA GTG CCC ATC TCC CTC CCC CAC ACC ACC CTT GCA CAG CCC CAG CAC ACC CTC CTC GCG CAG CCC TCC TCC CCG			
310	320	330	
Tyr His Ser Ser Arg Glu Lys Glu Ala Lys Arg Asn Arg Thr Phe Val Leu Asn Phe Ile Lys Ile Pro Val Val Pro His Asn Glu Cys			1119
TAC CAC ACC ACC CCA CAG CAG CAC CCC AAG ACA AAG CAC ACC TTC CTC CTC AAC TTC ATC AAG ATT CCC CTC CCG CAC AAT CAG TCC			
340	350	360	
Ser Glu Val Met Ser Asn Met Val Ser Glu Asn Met Leu Cys Ala Gly Ile Leu Gly Asp Arg Gln Asp Ala Cys Glu Gly Asp Ser Gly			1209
ACC CAG CTC ATC ACC AAC ATC CTC TCT CAG AAC ATG CAG TGT TGT GCG GCG ATC CTC CTC CCG CAC CCG CAG CAT CCG TCC CAG CCC CAC AGT CCG			
370	380	390	
Gly Pro Met Val Ala Ser Phe His Gly Thr Trp Phe Leu Val Gly Leu Val Ser Trp Gly Glu Cys Gly Leu Leu His Asn Tyr Gly			1299
CGG CCC ATC CTC CCC TCC TTC CAC GCG ACC TCC TTC CTC CTC GCG CTC ATC GCG GGT GGT GCG CTC CTT CAC AAC TAC CCC			
400	410	419	
Val Tyr Thr Lys Val Ser Arg Tyr Leu Asp Trp Ile His Gly His Ile Arg Asp Lys Glu Ala Pro Gln Lys Ser Trp Ala Pro STOP			1389
GTT TAC ACC AAA CTC ACC CCG TAC CTC CAC TCG ATC CAT CCG CAC ATC ACA CAC AAG GAA CCC CCC CAG AAG ACC TCG GCA CCT TAG CCA			

FIG. 3 CONT.